

## PATENT ABSTRACTS OF JAPAN

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(21)Application number : 11-140436 (71)Applicant : ICHIKOH IND LTD

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(54) LIGHTING SYSTEM FOR VEHICLE AND STRUCTURE OF LIGHT EMITTING  
PART IN THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To utilize the ultraviolet ray of a discharge lamp of a light emitting device, protect a phosphor of the luminescent part from interference, friction and the like, simplify a structure of the illuminant and reduce the cost.

SOLUTION: An ultraviolet ray UV from a discharge lamp of a light emitting device can be utilized. As the clearance C between an inner surface of an ultraviolet ray cutting tube 50 and a phosphor 52 on the outer surface side of an optical rod 51 is held by a protrusion part 54 of a clearance holding part, the phosphor 52 of the luminescent part 5 can be protected from the interference, friction and the like. As the optical rod becomes unnecessary, the number of components can be reduced, and further a means for holding the clearance between the optical rod and the ultraviolet ray cutting tube 50 for protecting the phosphor 52 from the interference, friction and the like becomes unnecessary. Whereby a structure of the illuminant 5 can be simplified and the cost can be

reduced. Further the use of the ultraviolet ray cutting tube 50 made of fluoroglass and a resin dispenses with the phosphor 52, which simplifies the structure and reduces the cost.

### LEGAL STATUS

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